

ABSTRACT

A string release for providing accurate release of a tensioned bow string. The release has a pair of jaws which are retained and controlled by a pivot ball and a jaw cup. the pivot ball being mounted on a shaft which is attached to an inner race which is in turn contained within a ball housing. The inner race is positioned such that it may slide laterally within the ball housing. In the closed position, a number of balls retain the inner race in an aft position relative to the jaws. A trigger mechanism actuates a locking sleeve which allows the balls to move such that the inner race may slide forward, thereby allowing the jaw to open. The release further includes a trigger force adjusting mechanism that allows adjustment of the force required to activate the trigger mechanism.

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